

O-Rings are designed to totally confined by the joint configuration and usually fitted into a groove and compressed during assembly between two or more parts, creating a seal at the interface. O-Rings are one of the most common seals used in machine design are inexpensive and easy to make, reliable, and have simple mounting requirements. They can seal thousands of psi pressure when the design of the joint allows this to be needed

Custom sizes of almost any dimension are possible, such as molded small mm sizes through to large diameters by continuous extrusion cord which would be spliced and vulcanized into as a single seal.

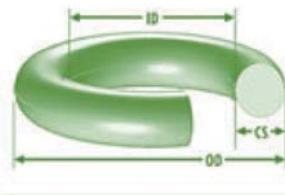
O-ring compounds are formulated to meet the most stringent industry standard and customer requirements.



STANDARD MATERIALS WITH TEMPERATURE LIMIT		
Material	Low end Operating Temperature	High end Operating Temperature
Buna-N - Nitrile	-30°F	250°F
EPDM	-40°F	300°F
FFKM (Perfluoroelastomer)	0°F	500°F
Fluorosilicone (FVMQ)	-60°F	350°F
HNBR	-20°F	300°F
Neoprene®	-30°F	212°F
Nitrile - Buna-N	-30°F	250°F
Polyacrylate	-10°F	300°F
Polyurethane	-40°F	175°F
Silicone CLR	-60°F	430°F
Silicone GP	-60°F	400°F
Silicone LSR	-60°F	400°F
Viton®	-10°F	400°F

O-RINGS/ O-RING CORDS – INDUSTRIES SERVED	
Electronics	Gas and Petroleum
Chemical	Construction Equipment
Transportation	Automotive
Mining	Glass
Farm Equipment	Sporting Goods
Food and Beverages	Water
Power Generation	Waste Water Treatment

O-RINGS/ O-RING CORDS – APPLICATIONS	
Mechanical Pumps	Compressors
Relief and Emergency Valves	Glass Heat Exchanger Tube
Corrosive Fluid Seals	Mechanical Seals
Air Operated Vents	Butterfly Valves
Pressure Vessels	Gas Service
Seals in Diaphragm Pumps	Face Flange Seals
Filter Housing	Low Pressure Piping System
Large Diameter Access Cover	Dairy and Beverage Service
High Purity Water	Medical Equipment



NOTE:
To calculate an O-ring's outside diameter (OD) you may use this formula: $2(CS) + ID = OD$ If you have the OD and need to find the ID use this formula: $OD - 2(CS) = ID$

OTHER SEALS PRODUCTS WE CAN SUPPLY :
Oil Seal, Moulded Seals, Wiper Seals and Machined Seals and Pads

